<u>CLAIMS</u>

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A moving picture experts group (MPEG) decoder for producing a caption for display on a screen, said decoder producing a video stream from an externally-applied MPEG stream, the decoder comprising:

a video decoder for decoding the video stream and extracting user data from header information of the video stream;

a header memory for storing the user data;

a central processing unit (CPU) for (i) producing caption data by decoding the user data and (ii) transforming the caption data into on-screen-display (OSD) object data:

an OSD controller for transforming the OSD object data into pixel data in response to a predetermined enable signal and outputting the pixel data; and a video mixer for mixing the pixel data with the decoded video data.

2. The MPEG decoder of claim 1, wherein the OSD controller comprises:

an OSD buffer for storing the OSD object data received from the CPU; and an OSD processor for reading the OSD object data from the OSD buffer and transforming the OSD object data into pixel data.

- The MPEG decoder of claim 1, wherein the OSD object data is considered data 3. transformed from caption information when a caption function is performed, and considered data for displaying ordinary OSD characters when an ordinary function is performed.
- 4. An MPEG decoding method comprising the steps of:
 - (a) decoding an MPEG video stream;
 - (b) extracting user data from the header of the MPEG video stream;
 - (c) producing caption data by decoding the user data;
 - (d) transforming the caption data into OSD object data and storing the OSD object data;
 - (e) determining whether an OSD enable signal has been applied;

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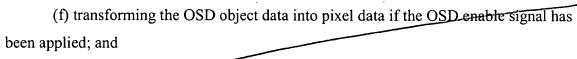
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(g) mixing the pixel-data with video data and outputting the resultant data.

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